

**Translation**

PATENT COOPERATION TREATY

PCT/EP2003/006274



**PCT**

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference E 10002 PCT	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/006274	International filing date (day/month/year) 13 June 2003 (13.06.2003)	Priority date (day/month/year) 22 June 2002 (22.06.2002)
International Patent Classification (IPC) or national classification and IPC A61L 2/18, A01N 33/02, 33/08, 33/12, 37/18		
Applicant ECOLAB INC.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>6</u> sheets, including this cover sheet.  <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of _____ sheets.
3. This report contains indications relating to the following items:  I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 16 January 2004 (16.01.2004)	Date of completion of this report 29 September 2004 (29.09.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/006274

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed
- ☒ the description:  
 pages 1-14, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
 pages 1-15, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement under Article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the drawings:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/006274

## III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 1-9, 14, 15

because:

☐ the said international application, or the said claims Nos. \_\_\_\_\_  
relate to the following subject matter which does not require an international preliminary examination (*specify*):

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. \_\_\_\_\_  
are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. \_\_\_\_\_ are so inadequately supported  
by the description that no meaningful opinion could be formed.

☒ no international search report has been established for said claims Nos. 1-9, 14, 15

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/06274

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	10-13	YES
	Claims		NO
Inventive step (IS)	Claims	10-13 (for the examples)	YES
	Claims		NO
Industrial applicability (IA)	Claims	10-13	YES
	Claims		NO

**2. Citations and explanations**

The following documents (D) are relevant to the present application; the same numbering will be used throughout the procedure:

D1: US-B1-6 258 368 (BAIER KATHLEEN GRIESHOP ET AL)

10 July 2001 (2001-07-10)

D2: US-A-4 661 523 (PAGEL JUERGEN ET AL) 28 April

1987 (1987-04-28)

D3: WO 98/56886 A (ROSENBERG NEVO MELVYN; INNOSCENT LTD (IL)) 17 December 1998 (1998-12-17)

D4: US-A-5 929 016 (HARRISON KENNETH A) 27 July 1999 (1999-07-27)

D5: EP-A-1 126 014 (BODE CHEMIE GMBH & CO) 22 August 2001 (2001-08-22)

D6: WO 94/27436 A (DECICCO BENEDICT T; KEEVEN JAMES KEVIN (US)) 8 December 1994 (1994-12-08)

D7: FR-A-2 622 397 (SOGIVAL) 5 May 1989 (1989-05-05)

D8: DE 100 54 020 A (GOGNIS DEUTSCHLAND GMBH) 16 May 2002 (2002-05-16)

(The present report does not necessarily cite all of these documents).

This report uses the following abbreviations: page (p.),

column (col.), line (l.), example (ex.), claim (c.),  
figure (fig.).

0.     Introductory remark

0.1     The international search was restricted to claims 10-13 with the compounds given as examples on page 12 of the present description. This report therefore likewise only covers the searched scope of the claims 10-13.

1.     PCT Article 33

1.1     PCT Article 33(2) (Novelty)

1.1.1   Claims 10-13 meet the requirements of PCT Article 33(2).

1.2     PCT Article 33(3) (Inventive step)

1.2.1   Claim 10 (scope limited to the compounds indicated in the examples) meets the requirements of PCT Article 33(3):

It is stated on page 3, final paragraph to page 5, first paragraph of the description that the problem addressed by the application, namely reducing the adsorption of antimicrobial agents by cleaning textiles, is solved by treating cleaning textiles with an aqueous concentrate containing an antimicrobial agent (*inter alia*, phenols and phenol derivatives) and an additive (e.g. Polyquat (R)).

D1 introduces an antimicrobial wipe that is impregnated with a composition containing Polyquat

10 and Triclosan in the same amounts as in the present application (see example 14). For the sake of completeness, attention is also drawn to the fact that D1 describes glutaraldehyde (see col. 6, l. 33) and a variety of other phenol compounds and phenol derivatives (see col. 6, l. 51 - col. 8, l. 12) as possible further antimicrobial agents.

The problem addressed by the present application is therefore already implicitly solved in D1.

Claim 10 proposes a further solution, namely that first a treatment with Polyquat (R) 40 is carried out, then a subsequent treatment with one of the preparations E1, E2 or E3 described on page 12 of the description.

This solution is neither disclosed nor suggested in the cited documents and is therefore deemed inventive.

### 1.3 PCT Article 33(4) (Industrial applicability)

1.3.1 Industrial applicability is established for all the subjects of claims 10-13.